

- a) adding to a solution of said GH or said GH derivative cations of inorganic or organic nature and an organic solvent or a mixture of organic solvents at a pH between 5.0 and 6.8.
- b) growing of crystals at a temperature from about 0 to about 30°C, and
- c) isolating the cation crystals grown in step b).

2. (Amended) A process according to claim 1, wherein the pH in step a) is from 5.8 to 6.5.

3. (Amended) A process according to claim 1, wherein the organic solvent is selected from the group consisting of short chained aliphatic alcohols, cyclic alcohols, aromatic alcohols and ketones.

6. (Amended) A process according to claim 1 wherein the organic solvent is added in a concentration of about 0.1 to about 50% v/v.

7. (Amended) A process according to claim 6, wherein the organic solvent is added in a concentration of from 0.1 to 30%.

11. (Amended) A process according to claim 9, wherein Zn^{++} is added in a concentration from 0.5 to 10 mol Zn^{++} /mol GH.

12. (Amended) A process according to claim 11 wherein the concentration of Zn^{++} is from 1.0 to 3.0 mol Zn^{++} /mol GH.

13. (Amended) A process according to claim 1, wherein the growth hormone is human growth hormone (hGH) or a derivative thereof.

15. (Amended) Cation crystals of human growth hormone (hGH) or a hGH derivative.

17. (Amended) Crystals according to claim 16, wherein the molar ratio between Zn^{++} and GH is from about 0.2 to about 10.

18. (Amended) A pharmaceutical preparation, characterized in that it contains crystals according to claim 15.

Please add the following claims:

20. (New) A process according to claim 6, wherein the organic solvent is added in a concentration of from 0.1 to 20%.

21. (New) A process according to claim 6, wherein the organic solvent is added in a concentration of from 5 to 1%.

22. (New) A process according to claim 6, wherein the organic solvent is added in a concentration of from 6 to 12%.

23. (New) A process according to claim 11 wherein the concentration of Zn^{++} is from 1.1 to 2.2 mol Zn^{++} /mol GH.

24. (New) A process according to claim 11 wherein the concentration of Zn^{++} is from 1.2 to 2.0 mol Zn^{++} /mol GH.

25. (New) Crystals according to claim 16, wherein the molar ratio between Zn^{++} and GH is from about 0.5 to 5.